Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously presented) A liquid composition comprising a non-polymeric acid having protein and calcium-precipitating properties, an organic polymer which has carboxyl and/or hydroxyl groups, a film forming component, and a solvent, said composition having a pH value in the range of from 1 to 3.

2. (previously presented) Composition according to claim 1, wherein the composition contains an acid which has a solubility of 0.5 to 20 wt.-% in water or in a mixture of 50 wt.-% water and 50 wt.-% ethanol.

3. (canceled)

4. (previously presented) Composition according to claim 1, wherein the acid is a carboxylic acid, sulphonic acid and/or phosphonic acid.

5. (withdrawn) Composition according to claim 4, wherein the phosphonic acid has a formula

$$[X\text{-}R^5\text{-}Y^2\text{-}R^4\text{-}Z^2]_m\text{-}R\text{-}\left(\,[Y^1\text{-}R^3\text{-}Z^1\text{-}R^1]_p\text{-}P(=O)(OR^2)\text{-}OH\right)_n$$

in which

n is 1, 2, 3 or 4,

m is 0, 1 or 2,

p is 0 or 1,

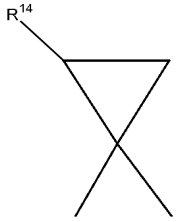
R is a straight-chained or branched aliphatic hydrocarbon radical with 1 to 12 carbon atoms or an aromatic hydrocarbon radical with 6 to 12 carbon atoms or an aliphatic/aromatic hydrocarbon radical with 7 to 16 carbon atoms, which can be substituted by OH, NH_2 and/or $COOR^6$,

R^1 is a C_1 to C_{12} alkylene, C_4 to C_{12} cycloalkylene, C_6 to C_{12} arylene or C_7 to C_{16} alkylenearylene radical, which can be substituted by OH, NH_2 and/or $COOR^6$, or is absent,

R^2 is H, a C_1 to C_6 alkyl or a phenyl radical,

R^3, R^4 each mean, independently of each other, a C_1 to C_{12} alkylene, C_6 to C_{12} arylene or C_7 to C_{16} alkylenearylene radical, which can be substituted by methyl, phenyl or fluorine, or are absent,

R^5 is –CH=CR^{13}-, a prop-1-ene-1, 3-diyl, C_1 to C_6 alkenylene, C_3 to C_9 cycloalkylene, C_1 to C_6 alkylene or phenylene radical or a group of formula



R^6 is H, a C_1 to C_6 alkyl or a phenyl radical,

Z^1, Z^2 each mean, independently of each other, CO-O, CO-NR^7, O-CO-NH, O, NH, S or are absent,

Y^1, Y^2 each mean, independently of each other, O, CO-O, CO-NR^8, O-CO-NH or are absent,

R^7, R^8 each mean, independently of each other, H, or a C_1 to C_6 alkyl radical,

X is H, CN, $N(R^9)_2$, OR^{10}, $COOR^{11}$ or $CONR_2^{12}$,

R^9, R^{10}, R^{11}, R^{12} each mean, independently of each other, H, a C_1 to C_{10} alkyl or a phenyl radical,

R^{13} is H or a methyl radical,

R^{14} is H or a C_1 to C_{10} alkyl, vinyl or phenyl radical.

6. (withdrawn) Composition according to claim 5, wherein

n is 1 or 2 and/or

m is 1 and/or

p is 0 and/or

R is an aliphatic straight-chained or branched mono- to pentavalent alkane radical with 1 to 7 carbon atoms, an aromatic hydrocarbon radical with 6 carbon atoms or an aliphatic/aromatic hydrocarbon radical with 8 carbon atoms and/or

R^1 is a methylene or ethylene radical or is absent and/or

R^2 is H, a methyl or ethyl radical and/or

R^3, R^4 each mean, independently of each other, a methylene, ethylene, trimethylene, p-phenylene, ethylidene, 1-methylene ethane-1,2-diyl radical or are absent and/or

R^5 is a methylene, ethylene, trimethylene, ethane-1, 2-diyl, methylethylene, prop-1-ene-1, 3-diyl, or a cyclopropylidene radical monosubstituted in 2 position or is absent and/or

R^6 is H and/or

Z^1, Z^2 each mean, independently of each other, CO-O, O-CO-NH or O or are absent and/or

Y^1, Y^2 each mean, independently of each other, O, CO-O or CO-NR^8 or are absent and/or

R^7, R^8 each mean, independently of each other, H or a methyl or ethyl radical and/or

X is H, CN, $COOR^{11}$ or $CONR_2^{12}$ and/or

R^9, R^{10}, R^{11}, R^{12} each mean, independently of each other, H or a methyl, ethyl or phenyl radical and/or

R^{13} is H or a methyl radical,

R^{14} is H or a vinyl or phenyl radical.

7. (withdrawn) Composition according to claim 5, wherein

n is 1,

m is 1,

p is 0,

R is a C_1 to C_3 alkylene or phenylene radical,

R^2 is H,

R^4 is a branched or straight-chained C_1 to C_6 alkylene radical which can be substituted by 1 to 2 fluorine atoms and/or 1 phenyl radical or is absent,

R^5 is a 1-methylene ethane-1, 2-diyl radical,

Z^2 is absent,

Y^2 is O or is absent,

X is $COOR^{11}$ and

R^{11} is H or a C_1 to C_5 alkyl or phenyl radical.

8. (withdrawn) Composition according to claim 5, wherein

n is 2,

m is 2,

p is 1,

R is a quadrivalent aliphatic, aromatic, or aliphatic-aromatic hydrocarbon radical with 2 to 12 carbon atoms,

R^1 is absent,

R^2 is H,

R^3 is a C_1 to C_3 alkylene or phenylene radical or is absent,

R^4 is a branched or straight-chained C_1 to C_6 alkylene radical which can be substituted by 1 to 2 fluorine atoms and/or 1 phenyl radical or is absent,

R^5 is a 1-methylene ethane-1, 2-diyl radical,

Z^1, Z^2 are absent,

Y^1 is absent,

Y^2 is O or is absent,

X is $COOR^{11}$ and

R^{11} is H or a C_1 to C_5 alkyl or phenyl radical.

9. (withdrawn) Composition according to claim 4, wherein the carboxylic acid is maleic acid and/or trichloroacetic acid.

10. (withdrawn) Composition according to claim 4, wherein the sulphonic acid is sulphosalicylic acid (2-hydroxy-5-sulphobenzoic acid).

11. (previously presented) Composition according to claim 1, containing from 1 to 4 different acids.

12. (previously presented) Composition according to claim 1, wherein the polymer is a polysaccharide, a polyethylene glycol, a polyacrylic acid, a polyacrylamide, a polyvinylpyrrolidine or a mixture thereof.

13. (withdrawn) Composition according to claim 12, wherein the polymer is a mixture of polyethylene glycol dimethacrylate and polyacrylic acid.

14. (previously presented) Composition according to claim 1, further containing fluoride ions.

15. (previously presented) Composition according to claim 1, further containing a potassium ion-releasing compound.

16. (canceled)

17. (previously presented) Composition according to claim 1, wherein the film-forming component is hydroxypropyl cellulose.

18. (previously presented) Composition according to claim 1, containing

0.5 to 40 wt.-%	phosphonic acid and/or
1.0 to 40 wt.-%	carboxyl and/or hydroxyl-group-containing polymer and/or
0.5 to 30 wt.-%	of a film-forming component and/or
0.1 to 1.0 wt.-%	fluoride ions and/or
0.1 to 10 wt.-%	potassium ions and
0 to 97.8 wt.-%	solvent.

19. (previously presented) Composition according to claim 18, further containing from 0.1 to 1.0 wt.-% flavourings.

20. (previously presented) Composition according to claim 18, wherein the solvent is a mixture of ethanol and water.

21. (withdrawn) Composition according to claim 18, containing

1 to 5 wt.-%	of at least one phosphonic acid,
3 to 7 wt.-%	polyacrylic acid,
15 to 25 wt.-%	polyethylene glycol dimethacrylate,
3 to 7 wt.-%	hydroxypropyl cellulose,
0.1 to 1.0 wt.-%	potassium fluoride,
0.05 to 0.2 wt.-%	flavouring and
53.8 to 76.9 wt.-%	ethanol/water mixture (approx. 50 wt.-%).

22. (withdrawn) Kit containing an acid and in spatially separated form thereof an organic, carboxyl and/or hydroxyl-group-containing polymer.

23. (withdrawn) Kit according to claim 22, wherein the acid is applied to a brush.

24. (withdrawn) Kit according to claim 22, containing a solution of the polymer, the composition of which is measured such that, when the solution is combined with the acid of the kit, a composition containing

0.5 to 40 wt.-%	phosphonic acid and/or
1.0 to 40 wt.-%	carboxyl and/or hydroxyl-group-containing polymer and/or
0.5 to 30 wt.-%	of a film-forming component and/or
0.1 to 1.0 wt.-%	fluoride ions and/or
0.1 to 10 wt.-%	potassium ions and
0 to 97.8 wt.-%	solvent

is obtained.

25. (withdrawn) Kit according to claim 22, wherein the acid and polymer are housed in different chambers of a double-chambered vessel.

26. (withdrawn) A method for the precipitation of protein comprising combining the composition of claim 1 with a protein solution.

27. (previously presented) A method for the desensitization of teeth comprising applying the composition of claim 1 to a tooth.

28. (canceled).

29. (previously presented) Composition according to claim 1, wherein the pH value is in the range of from 2 to 3.

30. (previously presented) Composition according to claim 1, wherein the pH value is 3 or below.

31. (new) A liquid composition comprising a non-polymeric acid having protein and calcium-precipitating properties, an organic polymer which has carboxyl and/or hydroxyl groups, a film forming component, and a solvent, said composition having a pH value in the range of from 1.5 to 3.5.

32. (new) Composition according to claim 31, wherein the pH value is below 3.5.